



# Wolf Creek Dam Weekly Update

US Army Corps of Engineers  
Nashville District

13 June 2007

## Construction Report

**Foundation Grouting.** ACT continued the drilling operation parallel to the dam in the gallery. This will supplement the down stream grout line in the 800' critical reach. A total of 34 holes The Atlas Copco drill was idle; the Diamec U6 had equipment problems again, but was repaired by the end of the week. From Stations 31+47 to 31+67 all 18 holes have been grouted, with an average depth of 145'. From Stations 31+52 to 33+52 11 primary holes have been grouted, with an average depth of 154'. Boart Longyear has drilled (overburden) and cased 105 holes using the sonic method, with 2 drill rigs. Kiewit completed the work platform and has begun demobilizing. Rock coring and production rock drilling on the platform continued with both drills. Grouting on the embankment began Thursday morning.

**Halcomb's Landing.** VCI-Doyon continued to drill, blast, haul, and compact rock in parking lot (Phase 3 area) and at the new Powerhouse Road location. Excavated on the boat ramp access road and continued to haul to the new Power Plant Road. Drilling and blasting also continued on the US 127 widening area. Construction on the new boat ramp continued; 18 sections of the cast-in-place concrete are complete, as well as 2 sections of the pre-cast concrete, for a total of 22,610 SF in place. Lane 1 is approximately 90% complete; lanes 2 and 3 are approximately 70% complete; the 4th lane is approximately 10% complete.



Drilling and grouting continues on the work platform.

## This Week's Activities

- Continue drilling and grouting in the gallery with both drills
- Continue sonic drilling on the permanent work platform and installation of PVC casing on the embankment, with 2 drills
- Continue rock production drilling
- Kiewit will complete demobilization
- Continue to drill, blast, and compact shot rock in Halcomb's landing parking lot, Phase III and extension.
- Continue excavation on boat ramp access road and US 127 widening, haul operations to the new Power House Road
- Continue concrete forming and placement on the new boat ramp.

## Water Management Report

The headwater elevation at Lake Cumberland this morning was 680.6. Water temperature in the Cumberland River below Wolf Creek Dam had increased to the point of impacting cold-water fisheries. In an effort to improve downstream conditions, project releases were shifted from the hydropower

units to sluice gates. These sluice releases, which are approximately 7 °F colder than the hydropower releases, occur approximately every six hours throughout the day and result in a daily average discharge of about 700 cfs. There is no significant rainfall in the forecast for the next five days.

## Lake Cumberland Elevation

**680.53**

Time: 0600  
11 June 2007

